ABSTRACT OF THE DISCLOSURE

A system and method for recognizing markers on,
e.g., a PCB (printed circuit board). In one aspect, a
system for recognizing a marker in an image comprises an

5   image capture module (14) for extracting image features
associated with an input image of a ROI (region of
interest) captured through a lens 15, an image processor
(16) comprising a first marker recognition processor (17)
for recognizing a marker in the input image based on a

10 normalized correlation and a second marker recognition
processor (18) for recognizing a marker in the input
image based on gray value histograms; a training module
19 for building template images and histograms that are
used by the image processor (16) to detect a marker in

15 the input image and a database (20) for indexing and
storing trained template images and trained histograms.